

U.S.S.N. 10/099,830

Filed: March 13, 2002

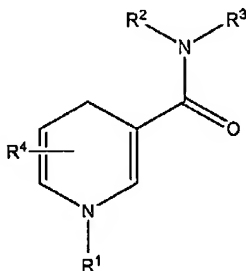
AMENDMENT AND RESPONSE TO OFFICE ACTION

Amendment

In the Claims

Claims 1-33 (Canceled).

34. (Twice Amended) A therapeutic system comprising a prodrug which is converted to a substantially cytotoxic drug by the action of NQO2 and a compound of formula I.



wherein R¹ is selected from the group consisting of substituted alkyl, including substitution by CONH₂, OH, halogen, CN, and COOH; aryl; substituted aryl; CONR^aR^b, where R^a and R^b are independently H, alkyl, or substituted alkyl, and R² and R³ are independently H, alkyl, or substituted alkyl and R⁴ is any of H, alkyl, substituted alkyl, halogen, CN, COOH, CONH₂, or OH, wherein the compound can pass reducing equivalents to NQO2, in a form for administration to a patient in need thereof.

Claims 35-40 (Canceled)

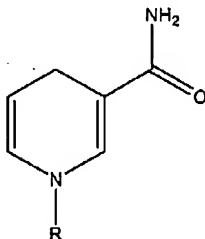
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41. (Previously Presented) The system of claim 34, wherein the compound is 1-(carboxamidomethyl)-dihydronicotinamide.

42. (Currently Amended) The system of claim 34, wherein the compound has formula II



wherein R is a substituted alkyl, comprising one or more groups selected from the group consisting of ~~CNH2~~, CONH2, OH, halogen, CN, and COOH.

43. (Previously Presented) The system of claim 34, wherein the alkyl group is a C₁ to C₆ alkyl.

44. (Currently Amended) The system of claim 34 42, wherein R is selected from the group consisting of -CH₂CONH₂, -CH₂CH₂CH₂SO₃⁻, -CH₂CH₂OH, -CH₂CH₂CH₂OH, and -CH₂CH₂COOH.

45. (Canceled) The system of claim 34 wherein the analogue of NRH is 1-(carboxamidomethyl)-dihydronicotinamide.

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46. (New) The therapeutic system of claim 34, wherein the prodrug is CB 1954 or an analogue thereof.

47. (New) The therapeutic system of claim 34, wherein the prodrug is CB 1954.